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# SUPERFUND FACT SHEET

Landia Chemical Site  
Lakeland, Polk County, Florida



EPA-Region 4

FEBRUARY 2000

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## EPA ADDRESSES PUBLIC HEALTH ASSESSMENT RECOMMENDATIONS

The Florida Department of Health developed a draft Public Health Assessment for the Landia Chemical Site in July 1999. The health assessment determined that chemicals were present on portions of the Landia Chemical and Florida Favorite Fertilizer properties at levels that pose a public health hazard. The Public Health Assessment also listed recommendations of actions to be taken to limit potential exposure to these chemicals. This fact sheet discusses the steps taken by government agencies to address these recommendations.

Recommendation - Ensure that children and adults do not have access to on-site surface soil.

***Action - Both the Landia and Florida Favorite Fertilizer properties are fenced to prevent access to the site.***

Recommendation - Prevent use of contaminated ground water as a public or private drinking water supply. Restrict permits for new wells near ground water contamination. Encourage residents near ground water contamination not to drink out of their irrigation wells.

***Action - A groundwater advisory was issued by the Florida Department of Health (FDOH) last summer, advising residents not to use the groundwater. The Florida Department of Environmental Protection collected information on water wells in the area during the summer of 1999. Even though no drinking water wells have been identified in the area, a few irrigation wells are present. Residents should not use this water for drinking purposes.***

Recommendation - Collect at least three 24-hour off-site air samples downwind and analyze for arsenic and site-related pesticides to estimate current residential exposures. Collect these samples during a gentle north wind. Collect one 24-hour upwind, background air sample for comparison.

***Action - EPA conducted air sampling the week of January 10, 2000. The results of the air sampling will be considered in EPA's removal action, incorporated into the long-term remedial investigation, and provided to the FDOH.***

Recommendation - Control dust generation and conduct intensive air monitoring during any future cleanup that would disturb on-site soil and create dust.

***Action - Any future EPA action will ensure that measures are taken to prevent unacceptable exposures to dust generated as a result of the action.***

Recommendation - Determine the geographical extent of off-site groundwater contamination.

***Action - EPA has begun its long-term remedial investigation to determine the nature and extent of all site related contamination in every media including groundwater. EPA plans to begin the first phase of groundwater sampling in April 2000. The results of the first phase of sampling will be used to determine the locations of additional monitoring wells to be installed and sampled in phase 2.***

Recommendation - Collect additional off-site surface-soil samples (0-3 inches deep) in the neighborhood south of the site and analyze for site-related chemicals. Collect one surface soil sample from the bank of the ditch draining the site at each individual property for the first 6000 feet starting at the site boundary. Analyze these samples for site-related chemicals.

***Action - In October 1999, EPA conducted extensive soil sampling of the Wayman Street ditch from the Landia site past Plateau Avenue. As part of this sampling, both banks of the ditch were sampled including the yards of those residents who backed up to the ditch. The results of this sampling showed that site contaminants were present in the ditch sediment and on the banks of the ditch above levels of immediate health concern in the first 600-800 feet of the ditch from the site. The contaminant concentrations further down the ditch greatly decreased. However, all data collected during this sampling event will be incorporated into the Baseline Risk Assessment, which will be conducted as part of the Remedial Investigation/Feasibility Study, to determine if any further cleanup is necessary.***

Recommendation - Collect about 20 additional sediment grab samples from the ditch that drains the site. Collect these sediment samples every 500 feet starting at Olive Street and continuing through the stormwater pond on the north side of Highland Street between Jensen and Lebanon Roads. Analyze for arsenic and site related pesticides.

***Action - See action taken for number 7. In addition to the October 1999 sampling which was conducted from the Landia site past Plateau Avenue, sediment samples will be taken from the above mentioned stormwater pond to ensure site related chemicals are not present in the sediment at levels of a health concern.***

Recommendation - Collect at least three fish from the pond on the north side of Highland Street between Jensen and Lebanon Roads. Collect fish likely caught for human consumption (bass, brim, perch, etc.). Analyze for arsenic and site-related pesticides.

***Action - In November 1999, the Florida Department of Health collected fish from this pond and analyzed them for site-related chemicals. The initial results for arsenic and organochlorine pesticides indicate that eating fish from this pond (armored catfish, bluegill, or nile perch) is unlikely to cause illness.***

Recommendation - The federal Occupational Safety and Health Administration (OSHA) or the National Institute for Occupational Safety and Health (NIOSH) should consider a health investigation for former and current workers.

***Action - OSHA has conducted inspections recently at both the Florida Favorite Fertilizer and J Line Pump facilities. EPA is coordinating with OSHA to provide them with data collected during the site investigation.***

#### For More Information Contact:

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